

Assignment

Date _____ Period _____

Identify the (a) Direction of Opening, (b) Axis of Symmetry, & (c) Vertex of the quadratic in vertex form.

1) $y = (x + 1)^2 + 3$

2) $y = -(x + 1)^2 - 1$

3) $y = -\frac{1}{2}(x + 4)^2 + 2$

4) $y = (x - 2)^2 + 2$

5) $y = \frac{1}{3}(x - 3)^2 + 4$

6) $y = -(x - 1)^2 + 4$

7) $y = -2(x + 3)^2 + 1$

8) $y = -(x + 2)^2 + 1$

9) $y = (x + 1)^2 + 4$

10) $y = 3(x + 3)^2 + 4$